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### **What I claim is:**

72°C, 73°C, 74°C, 75°C, 76°C, 77°C, 78°C, 79°C, 80°C

10°C, or 120°C.

4. A gel according to claim 1 or 2, wherein said (DSC) a melting endotherm of about 25°C, 28°C, 38°C, 39°C, 40°C, 41°C, 42°C, 43°C, 44°C, 45°C, 55°C, 56°C, 57°C, 58°C, 59°C, 60°C, 61°C, 62°C, 72°C, 73°C, 74°C, 75°C, 76°C, 77°C, 78°C, 79°C

A gel according to claim 4, wherein said selected material M forming the combination C  $G_nM_nG_nM_nG_n$ ,  $M_nM_nM_nG_n$ ,  $M_nM_nM_nG_nM_nM_n$  wherein when n is a subscript of M, n is the foam, plastic, fabric, metal, metal foil, concrete, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

6. A gel according to claim 1 or 2, with a selected material M or in combination with a composite of the combination  $G_nG_nM_nG_nM_n$ ,  $G_nM_nG_nG_n$ ,  $G_nG_nM_nM_n$ ,  $G_nG_nM_nM_nG_n$ ,  $G_nG_nM_nG_nM_n$ ,  $G_nG_n$ , permutation of one or more of said different selected from the group wood, glass, glass fibers, ceramic when n is a subscript of G, n denotes the same or a different gel rigidity.

7. A gel according to claim 1 or 2, wherein said gel shape floss suitable for wedge pillow, a gel leg rest, dermal pad, a gel wheelchair belt, a gel traction pad for forearm, knee, leg, clavicle shaped toy article, a tip, a gel fishing bat, a gel cloth, a gel fabric dilator, a gel esophagus condom, a gel toy electrical and telepho-

ential scanning calorimeter  
., 32°C, 33°C, 34°C, 35°C, 36°C, 37°C,  
., 49°C, 50°C, 51°C, 52°C, 53°C, 54°C,  
., 66°C, 67°C, 68°C, 69°C, 70°C, 71°C,  
.00°C, 110°C, or 120°C.

; denoted by G, is physically interlocked with a  $M_nG_n$ ,  $M_nG_nM_n$ ,  $M_nG_nG_nM_n$ ,  $G_nM_nM_nG_n$ , permutation of one or more of said G<sub>n</sub> with M<sub>n</sub>; different selected from the group consisting of paper, wood, glass, glass fibers, ceramics, synthetic resin, and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

in said gel is being denoted by G, is physically interlocked with one or more of the same gel or a different gel forming  $G_n$ ,  $G_nM_n$ ,  $G_nM_nG_n$ ,  $M_nG_nM_n$ ,  $M_nG_nG_n$ ,  $M_nM_nM_nG_nM_n$ ,  $M_nG_n$ ,  $G_nG_nM_nG_nM_nG_nG_n$ ,  $G_nM_nG_nM_nM_n$ ,  $M_nG_nM_nG_nM_nG_n$ ,  $M_nG_n$ ,  $G_nM_nG_nM_nG_n$ ,  $M_nM_nM_nG_n$ ,  $M_nM_nM_nG_nM_nM_nM_n$  or a with M<sub>n</sub>; wherein when n is a subscript of M, n is the same or a different selected from the group paper, foam, plastic, fabric, metal, metal foil, concrete, synthetic resin, synthetic fibers or refractory materials; and wherein the same or a different gel rigidity.

2, wherein said gel being formed into a gel hand exercising grip, a dental floss, a gel crutch cushion, a gel cervical pillow, a gel bed neck cushion, a gel mattress, a gel bed pad, a gel elbow pad, a gel ion, a gel helmet liner, a gel cold and hot pack, a gel exercise weight, a gel cushion for splints, a gel sling, a gel brace for the hand, wrist, finger, shoulder, foot, ankle, neck, back, rib, a gel sole for orthopedic shoe, a gel cladding for cushioning optical fibers from bending stresses, a gel swab against pressure, a gel thread, a gel strip, a gel yarn, a gel tape, a weaved balloon for valvuloplasty of the mitral valve, a gel trointestinal balloon dilator, a gel dilating balloon catheter use in coronary angiogram, a gel i, a gel surgical and examination glove, a self sealing enclosures for splicing cables and wires, a gel film, or a gel liner.

8. A gel according to claim 5, wherein said com  
a gel shape floss suitable for use as a dental floss, a  
wedge pillow, a gel leg rest, a gel neck cushion, a  
dermal pad, a gel wheelchair cushion, a gel helmet  
belt, a gel traction pad or belt, a gel cushion for  
forearm, knee, leg, clavicle, shoulder, foot, an  
shaped toy article, a gel optical cladding for  
tin, a gel fishing bate, a gel seal against pres  
l cloth, a gel fabrics, a gel balloon fo  
dilator, a gel esophageal balloon dilator,  
condom, a gel toy balloon, a gel surgic  
electrical and telephone cables and wi

formed into a gel hand exercising grip,  
nion, a gel cervical pillow, a gel bed  
gel bed pad, a gel elbow pad, a gel  
cold and hot pack, a gel exercise weight  
sling, a gel brace for the hand, wrist, finger,  
neck, rib, a gel sole for orthopedic shoe, a gel  
optical fibers from bending stresses, a gel swab  
read, a gel strip, a gel yarn, a gel tape, a weaved  
asty of the mitral valve, a gel trointestinal balloon  
laing balloon catheter use in coronary angiogram, a gel  
xamination glove, a self sealing enclosures for splicing  
fim, or a gel liner.

9. A composite of claim 6 sha  
amputee prosthesis formed by inj  
wherein said gel comprises at lea  
propylene-styrene), poly(styrene-  
butylene-styrene), or poly(styrene  
block copolymers.

the form of a gel liner for lower limb or above the knee  
holding, extruding, spinning, casting, or dipping of said gel,  
block copolymer of poly(styrene-ethylene-ethylene-  
ene-ethylene-propylene)<sub>n</sub>, poly(styrene-ethylene-ethylene-  
y ene-ethylene-butylene)<sub>n</sub> or a mixture of two or more of said

10. A gel of claim 4 sha  
prosthesis formed by injecti  
said gel comprises at leas  
styrene), poly(styrene-ε  
styrene), or poly(styrene  
copolymers.

the form of a gel liner for lower limb or above the knee amputee  
holding, extruding, spinning, casting, or dipping of said gel, wherein  
said block copolymer of poly(styrene-ethylene-ethylene-propylene-  
e-ethylene-propylene)<sub>n</sub>, poly(styrene-ethylene-ethylene-butylene-  
ethylene-ethylene-butylene)<sub>n</sub>, or a mixture of two or more of said block  
copolymers.

11. A composite  
(i) 100 pa  
a high viscosity  
about 90 cps at  
higher which  
about 80,000  
and higher, and from

weight of one or more crystalline copolymers, wherein said block copolymer is  
mer having a viscosity value at 5 weight percent solution in toluene at 30°C of  
her which corresponds to a viscosity at 10 weight percent of about 5800 cps and  
onds to a viscosity at 20 weight percent solids solution in toluene at 25°C of at  
about 80,000 and higher, and from

(ii) about 10 to about 1,600 parts by weight of a plasticizing oil; said gelatinous elastomer  
compositions characterized by a gel gram Bloom of about 20 to about 800 gram bloom; and in  
combination, or without

(iii) selected amount of one or more polymers or copolymers of  
poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n,

poly(styrene-ethylene-propylene), poly(styrene-eth-propylene)n, poly(styrene-ethylene-butylene)n, p poly(ethylene-butylene), polypropylene, or poly radial, star-shaped, branched or multiarm cop composite formed from the combination G<sub>n</sub>M<sub>n</sub>, M<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, M<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>, M<sub>n</sub>G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, a sequential addition or when n is a subscript of M, n is the same or plastic, fabric, glass, ceramics, synthetic resin of G, n denotes the same or a different ge

12. A gel composite comprising a cryt-

(i) 100 parts by weight of one copolymer is a high viscosity copolymer in toluene at 30°C of about 90 cps and about 5800 cps and higher which in toluene at 25°C of at about 80,000

(ii) about 300 to about 1,600 compositions characterized by a gel combination with or without

(iii) a selected amount of poly(styrene-butadiene-styrene), poly(styrene-ethylene-propyl-propylene)n, poly(styrene-eth-

poly(ethylene-butylene), pc

radial, star-shaped, branched

composite formed from the

M<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, M<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>

G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>G

G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, a se

when n is a subscript of

n is the same or different selected from the group consisting of foam,

plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript

of G, n denotes the same or a different gel rigidity.

13. A composite con

(i) 100 parts b

sing a crystalline gelatinous elastomer composition, Gn, formed from

eight of one or more block copolymer of poly(styrene-ethylene-

, poly(styrene-ethylene-butylene), poly(ethylene-propylene), wherein said selected copolymer is a linear, n is greater than one; and wherein said G<sub>n</sub>M<sub>n</sub>, M<sub>n</sub>G<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>, , M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, ion of one or more of said Gn with Mn; wherein it selected from the group consisting of foam, synthetic fibers; and wherein when n is a subscript

elatinous elastomer composition, Gn, formed from crystalline block copolymers, wherein said block g a viscosity value at 5 weight percent solution in which corresponds to a viscosity at 10 weight percent of bonds to a viscosity at 20 weight percent solids solution in and higher, and from

is by weight of a plasticizing oil; said gelatinous elastomer

in Bloom rigidity of about 20 to about 800 gram bloom; and in

or more polymers or copolymers of poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene)n, polystyrene, polybutylene, poly(ethylene-propylene), ylene, or polyethylene, wherein said selected copolymer is a linear, multiarm copolymer, wherein n is greater than one; and wherein said combination G<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>, M<sub>n</sub>G<sub>n</sub>G<sub>n</sub>, M<sub>n</sub>G<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, G<sub>n</sub>G<sub>n</sub>M<sub>n</sub>M<sub>n</sub>G<sub>n</sub>, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

butylene/ethylene-propylene-styrene), wherein said having a viscosity value at 5 weight percent solution which corresponds to a viscosity at 10 weight percent corresponds to a viscosity at 20 weight percent cps and higher, and from

(ii) about 300 to about 1,600 parts by weight of compositions characterized by a gel gram BII combination with or without

(iii) a selected amount of one or more polymers such as poly(styrene-butadiene-styrene), poly(styrene-ethylene-propylene), poly(ethylene-propylene)n, poly(styrene-ethylene-butylene), poly(ethylene-butylene), polypropylene radial, star-shaped, branched or multi-composite formed from the combination of  $M_n M_n M_n G_n$ ,  $M_n M_n M_n G_n M_n$ ,  $M_n G_n G_n M_n G_n M_n$ ,  $G_n M_n G_n G_n$ ,  $G_n G_n G_n M_n G_n M_n G_n$ , a sequential addition of  $G_n$  when  $n$  is a subscript of  $M$ ,  $n$  is the number of repeating units of the polymer, plastic, fabric, glass, ceramics, sintered materials, or  $G$ ,  $n$  denotes the same or a different number.

~~14.~~ A composite comprising a c

(i) 100 parts by weight of a high viscosity copolymer having about 90 cps and higher which corresponds to higher which corresponds to about 80,000 cps and higher.

(ii) about 300 to ab.  
compositions characteriz  
combination with or wit!

- (iii) a selected amount of  
poly(styrene-butadiene)  
poly(styrene-ethylene-  
poly(styrene-butadiene)  
poly(styrene-ethylene-  
a selected amount of

'r is a high viscosity copolymer  
'C of about 90 cps and higher  
500 cps and higher which  
toluene at 25°C of at about 80,000

cizing oil; said gelatinous elastomer

mo or copolymers of  
ene)n, poly(styrene-isoprene)n,  
lene-butylene), poly(styrene-ethylene-  
styrene, polybutylene, poly(ethylene-propylene),  
ethylene, wherein said selected copolymer is a linear,  
mer, wherein n is greater than one; and wherein said  
 $G_n M_n G_n$ ,  $M_n G_n M_n$ ,  $M_n G_n G_n$ ,  $G_n G_n M_n$ ,  
 $J_n M_n G_n G_n$ ,  $G_n M_n M_n G_n$ ,  $G_n M_n M_n G_n$ ,  $G_n G_n M_n M_n$ ,  
 $M_n G_n M_n M_n$ ,  $M_n G_n M_n G_n M_n G_n$ ,  $G_n G_n M_n M_n G_n$ ,  
a permutation of one or more of said  $G_n$  with  $M_n$ ; wherein  
or different selected from the group consisting of foam,  
resin, or synthetic fibers; and wherein when n is a subscript  
rigidity.

line gelatinous elastomer composition, Gn, formed from  
or more crystalline copolymers, wherein said block copolymer is  
viscosity value at 5 weight percent solution in toluene at 30°C of  
responds to a viscosity at 10 weight percent of about 5800 cps and  
viscosity at 20 weight percent solids solution in toluene at 25°C of at  
from

500 parts by weight of a plasticizing oil; said gelatinous elastomer  
1 gel gram Bloom of about 20 to about 800 gram bloom; and in

of one or more block copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene) $n$ , poly(styrene-ethylene-propylene) $n$ , or ethylene) $n$ ; a selected amount of one or more diblock copolymers of poly(styrene-isoprene) $n$ , poly(styrene-ethylene-propylene) $n$ , or propylene) $n$ , poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene); hydrocarbon resins including polystyrene, polypropylene, or polyethylene; a

selected amount of polybutylene; a selected amount of poly(ethylene-butylene); a selected amount of a flan non-sticking modifiers; a selected amount of mic amount of microspheres or aggregation of gas l radial, star-shaped, branched or multiarm copol composite formed from the combination  $G_n M$   $M_n M_n M_n G_n$ ,  $M_n M_n M_n G_n M_n$ ,  $M_n G_n G_n M_n$ ,  $G_n M_n G_n M_n$ ,  $G_n M_n G_n G_n$ ,  $G_n G_n M_n$ ,  $G_n$   $G_n M_n G_n M_n G_n$ , a sequential addition or when n is a subscript of M, n is the same plastic, fabric, glass, ceramics, synthetic of G, n denotes the same or a different

**15. A composite comprising a crystal**

- (i) 100 parts by weight of one butylene/ethylene-propylene-styrene having a viscosity value at 5 weight which corresponds to a viscosity  $\eta$  corresponds to a viscosity at 20 cps and higher, and from

(ii) about 300 to about 1 compositions characterized by combination with or without

(iii) a selected amount of poly(styrene-butadiene)<sub>n</sub>, poly(styrene-ethylene-butadiene)<sub>n</sub>, poly(styrene-ethylene-butadiene-*b*)<sub>n</sub> or a selected amount of a homopolymer selected amount of poly(ethylene-butylene) non-sticking modifiers; the selected copolymer is greater than one; and  $M_n G_n M_n$ ,  $M_n G_n G_n$ ,  $G_n M_n M_n G_n$ ,  $G_n M_n G_n G_n$ ,  $G_n G_n M_n M_n$ ,  $G_n G_n G_n M_n$ ,  $G_n G_n G_n G_n$ .

ly(ethylene-propylene) or selected amount of non-adhering, degeneration of gas bubbles; a selected and selected copolymer is a linear, greater than one; and wherein said  $M_n$ ,  $M_nG_nG_n$ ,  $G_nG_nM_n$ ,  $I_nG_n$ ,  $G_nM_nM_nG_n$ ,  $G_nG_nM_nM_n$ ,  $I_nG_nM_nG_n$ ,  $G_nG_nM_nM_nG_n$ , or more of said  $G_n$  with  $M_n$ ; wherein in the group consisting of foam, and wherein when  $n$  is a subscript

ious elastomer composition, Gn, formed from  
block copolymer of poly(styrene-ethylene-  
n said block copolymer is a high viscosity copolymer  
solution in toluene at 30°C of about 90 cps and higher  
weight percent of about 5800 cps and higher which  
percent solids solution in toluene at 25°C of at about 80,000

s by weight of a plasticizing oil; said gelatinous elastomer having a Bloom of about 20 to about 800 gram bloom; and in

> or more block copolymers of poly(styrene-butadiene-styrene),  
y-1 ie-isoprene)n, poly(styrene-ethylene-propylene)n, or  
. selected amount of one or more diblock copolymers of  
styrene-isoprene)n, poly(styrene-ethylene-propylene)n, or  
)n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene);  
arbon resins including polystyrene, polypropylene, or polyethylene; a  
ne; a selected amount of rubbers of poly(ethylene-propylene) or  
lected amount of a flame retardant; a selected amount of non-adhering,  
ected amount of microspheres or aggregation of gas bubbles; wherein said  
ar, radial, star-shaped, branched or multiarm copolymer, wherein n is  
said composite formed from the combination  $G_nM_n$ ,  $G_nM_nG_n$ ,  
 $M_n$ ,  $M_nM_nM_nG_n$ ,  $M_nM_nM_nG_nM_n$ ,  $M_nG_nG_nM_n$ ,  $G_nM_nG_nG_n$ ,  
 $G_nG_nM_nM_n$ ,  $G_nG_nM_nG_nM_n$ ,  $G_nM_nG_nG_n$ ,  $G_nG_nM_n$ ,  $G_nM_nG_nM_nM_n$ ,

$M_nG_nM_nG_nM_nG_n$ ,  $G_nG_nM_nM_nG_n$ ,  $G_nG_nM_nG_nM_nG_n$  or more of said  $G_n$  with  $M_n$ ; wherein when  $n$  is a subscript from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when  $n$  is a subscript of  $G$ ,  $n$  denotes the same or different selected

addition or a permutation of one or more of said  $G_n$  with  $M_n$ ; wherein when  $n$  is a subscript from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when  $n$  is a subscript of  $G$ ,  $n$  denotes the same or different selected

**16. A composite comprising a crystalline**

(i) 100 parts by weight of one or more com-

a high viscosity copolymer having a viscosity

about 90 cps and higher which corresponds to

higher which corresponds to a viscosity at 25°C

about 80,000 cps and higher, and from

(ii) about 300 to about 1,600 parts by weight

compositions characterized by a gel graft

combination with or without

(iii) a selected amount of one or

poly(styrene-butadiene)n, poly(styrene-

poly(styrene-ethylene-butylene)n; a se-

lected amount of one or more diblock copolymers of

poly(styrene-butadiene)n, poly(styrene-

poly(styrene-ethylene-butylene)n;

a selected amount of a hydrocarbon

selected amount of polybutyle-

poly(ethylene-butylene); a se-

non-sticking modifiers; a se-

selected copolymer is a line

greater than one; and where-

$M_nG_nM_n$ ,  $M_nG_nG_n$ ,  $G_nG_n$

$G_nM_nM_nG_n$ ,  $G_nM_nM_nG_n$

$M_nG_nM_nG_nM_nG_n$ ,  $G_nG_n$

$M_nG_nG_nM_nG_n$ ,  $G_nG_n$

$M_nG_nG_nM_nG_nG_n$ ,  $G_nG_n$

$M_nG$

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percent of about 5800 cps and higher which corresponds to a viscosity at 10 weight percent solids solution in toluene at 25°C of about 80,000 cps and higher, a

(ii) about 300 to about 1,600 parts by weight compositions characterized by a gel gram Bloom combination with or without

(iii) a selected amount of one or more block copolymers of poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-butylene)n; a selected amount of poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-propylene)n, or a selected amount of a hydrocarbon resins including polystyrene, polypropylene, or polyethylene; a selected amount of polybutylene; a selected amount of rubbers of poly(ethylene-propylene) or poly(ethylene-butylene); a selected amount of a flame retardant; a selected amount of non-adhering, non-sticking modifiers; a selected amount of microspheres or aggregation of gas bubbles; wherein said selected copolymer is a linear,  $\alpha$ -shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination  $G_nM_n$ ,  $G_nM_nG_n$ ,  $M_nG_nM_n$ ,  $M_nG_nG_n$ ,  $G_nG_nM_n$ ,  $M_nG_nG_nG_n$ ,  $M_nG_nM_nG_n$ ,  $G_nG_nM_nG_n$ ,  $G_nG_nG_nG_n$ ,  $G_nG_nM_nG_nG_n$ ,  $G_nG_nM_nM_nG_n$ ,  $G_nG_nM_nG_nM_nG_n$ , a sequential addition or a permutation of one or more of said  $G_n$  with  $M_n$ ; wherein when n is a subscript of M, n is the same or different selected from the group consisting of plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

VI. A composite comprising a crystalline gelatinous elastomer composition,  $G_n$ , formed from

(i) 100 parts by weight of one or more crystalline copolymers having the formula poly(styrene-ethylene-butylene/ethylene-propylene-styrene), wherein said block copolymer is a high viscosity copolymer having a viscosity value at 5 weight percent solution in toluene at 30°C of about 90 cps and higher which corresponds to a viscosity at 10 weight percent of about 5800 cps and higher which corresponds to a viscosity at 10 weight percent solids solution in toluene at 25°C of about 80,000 cps and higher, a

(ii) about 300 to about 1,600 parts by weight of a plasticizing oil; said gelatinous elastomer compositions characterized by a gel gram Bloom of about 20 to about 800 gram bloom; and in combination with

(iii) a selected amount of one or more block copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, or poly(styrene-ethylene-butylene)n;

weight percent solids

d gelatinous elastomer

a. 20 gram bloom; and in

mers of poly(styrene-butadiene-styrene), poly(styrene-ethylene-propylene)n, or of one or more diblock copolymers of poly(styrene-ethylene-propylene)n, or (styrene-ethylene-propylene), poly(styrene-ethylene-butylene); a selected amount of rubbers of poly(ethylene-propylene) or poly(ethylene-butylene); a selected amount of a flame retardant; a selected amount of non-adhering, non-sticking modifiers; a selected amount of microspheres or aggregation of gas bubbles; wherein said selected copolymer is a linear,  $\alpha$ -shaped, branched or multiarm copolymer, wherein n is

greater than one; and wherein said composite formed from the combination  $G_nM_n$ ,  $G_nM_nG_n$ ,  $M_nG_nM_n$ ,  $M_nG_nG_n$ ,  $G_nG_nM_nG_nM_n$ ,  $M_nG_nG_nM_n$ ,  $G_nG_nG_nG_n$ ,  $G_nG_nM_nG_nG_n$ ,  $G_nG_nM_nG_nM_nG_n$ , a sequential addition or a permutation of one or more of said  $G_n$  with  $M_n$ ; wherein when n is a subscript of M, n is the same or different selected from the group consisting of plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

- (iv) a selected amount of one or more poly(styrene-isoprene)<sub>n</sub>, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene);
- (v) a selected amount of a hydrocarbon rubber, polyethylene, or polybutylene;
- (vi) a selected amount of rubbers of ethylene-propylene diene terpolymers; or poly(ethylene-butylene);
- (vii) a selected amount of a flame retardant;
- (viii) a selected amount of non-adhering, non-reactive additives including tetrakis[methylene 3,-(3'S'-di-tertbutyl-3",5"-di-tert-butyl-4"-hydroxyphenyl) propionate] methane, octadecyl iodioethylene bis-(3,5-tert-butyl-4-hydroxyphenyl) ester, (1,3,5-trimethyl-2,4,6-tris[3,5-di-tert-butyl-4,4"-methylenebis(2,6-di-tert-butylphenol)] behenamide, oleamide, erucamide, N,N'-bis(3,5-di-tert-butyl-4-hydroxybenzyl) benzene), stearic acid, oleic acid, stearamide, N,N'-ethylenebisoleamide, sterryl erucamide, erucyl erucamide, oleyl palmitamide, distearyl pentaerythritol-dipropionate, innamate, roxybenzyl] benzene), tives of stearic acid, oleic acid, stearamide, N,N'-ethylenebisoleamide, sterryl erucamide, erucyl stearamide, waxes, and silicone fluids;
- (ix) a selected amount of microbubbles, aggregation of gas bubbles, or blowing agents;
- (x) one or more additives selected from the group consisting of polyisobutylene including polymerized mixed olefins, polyterpene, glycerol ester of saturated alicyclic hydrocarbon, coumarone indene, hydrocarbon, carbon, polyalphamethylstyrene/vinyl toluene copolymer, copolymers of poly(styrene-butadiene)<sub>n</sub>,  $\alpha$ -ethylene-propylene), or poly(styrene-ethylene-butylene)<sub>n</sub>, poly(styrene-isoprene)<sub>n</sub>, poly(styrene-ethylene-propylene)<sub>n</sub>, or poly(styrene-ethylene-butylene);
- (xi) one or more additives selected from the group consisting of hydrocarbon resins, butyl rubber, polyisobutylene, acrylonitrile block copolymers of poly(styrene-isoprene-styrene), poly(styrene-butadiene-styrene), poly(styrene-butadiene)<sub>n</sub>, poly(styrene-isoprene)<sub>n</sub>, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, diblock copolymers of poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), stearic acid, oleic acid, stearamide, behenamide, oleamide, erucamide, N,N'-ethylenebisstearamide, N,N'-ethylenebisoleamide, sterryl erucamide, erucyl erucamide, oleyl palmitamide, stearyl stearamide, erucyl stearamide, waxes, and silicone fluids, magnetic particle materials, carbon blacks, silicon dioxide, silica, clay, disperser, glass microspheres, barium ferrite, wollastonite, hydrocarbon resins of polymerized mixed olefins, polyterpene, glycerol ester of rosin, pentaerythritol ester of rosin, saturated alicyclic hydrocarbons, coumarone indene, hydrocarbon, mixed olefin, alkylated aromatic hydrocarbon;

wherein said selected copolymer is a linear, radial, st  
wherein n is greater than one; and

wherein said composite formed from the combination

(xii) layers of  $G_nM_n$ ,  $M_nG_nM_n$ ,  $M_nM_nG_n$ ,  $M_n$ ,  
permutation of one or more of said  $G_n$  with  $M_n$  whe  
different selected from the group consisting of foa  
or synthetic fibers; and wherein when n is a subsc  
rigidity.

polymer,

trial addition or a

script of M, n is the same or

, glass, ceramics, synthetic resin,  
denotes the same or a different gel

18. A composite comprising a crystalline gelatin elastomer composition characterized by a gel  
ram Bloom rigidity of about 20 to about 1,800 ram bloom, said composite made from

- (i) a crystalline block copolymer,
- (ii) a plasticizing oil,
- (iii) an additive;

wherein said (i), (ii), and (iii) are mixed together to form said gelatinous elastomeric composition;  
wherein said block copolymer comprise B-A blocks having a weight average molecular weight of  
at least about 300,000 or more correspondingly to a measurable solution viscosity at 5 wt% solids in  
95% toluene at 25°C which solution contains a solid at 20 wt% solids in 80% toluene at 25°C which  
corresponds to a viscosity value at eight percent solution in toluene at 30°C of about 90 cps and  
higher which corresponds to a viscosity at 10 weight percent of about 5800 cps and higher which  
corresponds to a viscosity at 25°C eight percent solids solution in toluene at 25°C of about 80,000 cps  
and higher; said A being selected from monoalkenylarene polymers including polystyrene;  
said B being a hydrogenated polymer comprising a plurality of covalently linked conjugated diene  
monomers including hydrogenated polymer of isoprene/butadiene; wherein said block  
copolymers is of the form poly(styrene-ethylene-butylene/ethylene-propylene-styrene);  
wherein said plasticizer rises at least 60 wt% of said gelatinous elastomer composition of said  
plasticizer and copolymer,

(1) said composite having layers of  $G_nM_n$ ,  $G_nM_nM_n$ , or  $M_nM_nG_nM_nM_n$ ,  
wherein said additive

(2) an additive selected from the group consisting of aggregation of gas bubbles formed by inert  
gases, and blowing agents including water,

(3) an additive selected from the group consisting of tack modifiers including, antiblocking  
agents, non-adhesive, non-sticking modifiers including tetrakis[methylene  
3,-(3'5'-di-tert-butyl-4"-hydroxyphenyl) propionate] methane, octadecyl  
3-(3",5"-di-tert-butyl-4"-hydroxyphenyl) propionate, distearyl-pentaerythritol-dipropionate,  
thiodiethanol bis-(3,5-tert-butyl-4-hydroxy) hydrocinnamate,

(1,3,5-trimethyl-2,4,6-tris[3,5-di-tert-butyl-4-hydroxybenzylidenebis(2,6-di-tert-butylphenol)], additives of behenamide, oleamide, erucamide, N,N"-ethylenebisstearyl erucamide, erucyl erucamide, oleyl palmitamide, stearic acid, stearamide, waxes, and silicone fluids,

(4) an additive selected from the group consisting of hydrocarbon resins including polymerized mixed olefin, alkylated aromatic hydrocarbon, polyalpha-olefin, elastomeric diblock copolymers of poly(ethylene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, or poly(styrene-ethylene-butylene)n, poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, or poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene),

(5) an additive selected from the group consisting of flame retardants,

(6) an additive selected from the group consisting of hydrocarbon resins, polyisobutylene including polybutene, additional block copolymers of poly(styrene-isoprene-styrene), poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, particulate fillers, microspheres, butadiene rubber, poly(ethylene/propylene), and poly(ethylene/butylene),

(7) an additive selected from the group consisting of poly(styrene-butadiene-styrene), polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, diblock copolymers of poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, stearic acid, oleic acid, stearamide, behenamide, oleamide, erucamide, N,N"-ethylenebisstearamide, N,N"-ethylenebisoleamide, sterryl erucamide, erucyl erucamide, oleyl palmitamide, stearyl stearamide, erucyl stearamide, waxes, and silicone fluids, and

(8) an additive selected from the group consisting of hydrocarbon resins of polystyrene, polymerized mixed olefins, polyterpene, glycerol ester of rosin, pentaerythritol ester of rosin, saturated alicyclic hydrocarbon, coumarone indene, hydrocarbon, mixed olefin, alkylated aromatic hydrocarbon, particulate fillers, and microspheres.